

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A filter assembly for a dishwasher, the filter assembly comprising:

a plurality of concentrically ~~aligned-nested~~ filters varying in size in a radial direction, wherein an outermost filter of the filter assembly has the smallest holes of each of the plurality of concentrically nested filters;

water circulating means for supplying washing and rinsing water under pressure to the filter assembly, the water circulating means comprising a wash pump assembly configured to circulate water and a sump configured to collect runoff water; and

at least one stationary cleaning nozzle provided at a predetermined position adjacent an outer circumference of the filter assembly facing the outermost filter of the plurality of concentrically ~~aligned-nested~~ filters, wherein the at least one cleaning nozzle is fixed to a portion of the sump proximate the filter assembly so as to be in communication with said water circulating means, and wherein the at least one cleaning nozzle is configured to spray pressurized water supplied by said water circulating means into the filter assembly.

2-3. (Cancelled).

4. (Previously Presented) The filter assembly as claimed in claim 1, wherein the plurality of filters of the filter assembly have filter holes of respectively varying size.

5. (Previously Presented) The filter assembly as claimed in claim 1, wherein said at least one cleaning nozzle comprises a nozzle body and a plurality of injection holes perforating the nozzle body.

6. (Previously Presented) The filter assembly as claimed in claim 5, wherein a size of the injection holes perforating the nozzle body is selected based on a pressure of said pressurized water supplied by said water circulating means.

7. (Previously Presented) The filter assembly as claimed in claim 1, wherein the at least one cleaning nozzle is configured to spray pressurized water onto the outermost filter of the filter assembly so as to release particles trapped therein.

8. (Previously Presented) The filter assembly as claimed in claim 1, further comprising a filter holder provided in the sump, wherein the filter holder is configured to hold the filter assembly, and wherein the at least one cleaning nozzle comprises a tubular nozzle body disposed adjacent an outer circumferential surface of the outermost filter.

9. (Currently Amended) The filter assembly as claimed in claim 1, wherein the plurality of concentrically ~~arranged-nested~~ filters comprises a first substantially cylindrical filter disposed within a second substantially cylindrical filter disposed within a third substantially cylindrical filter, wherein the first, second and third filters comprise a first, second and third plurality of holes, respectively, and wherein each of the third plurality of holes is smaller than each of the second plurality of holes, and each of the second plurality of holes is smaller than each of the first plurality of holes.

10. (Previously Presented) The filter assembly as claimed in claim 9, wherein the at least one cleaning nozzle is configured to spray pressurized water at the filter assembly such that particles adhered to the first, second and third filters are dislodged by the pressurized water.

11. (Previously Presented) A dishwasher comprising the filter assembly of claim 1.

12. (Currently Amended) A filtration assembly for a home appliance, comprising:
a pump assembly configured to supply pressurized washing fluid and to circulate the washing fluid;

a sump configured to collect washing fluid therein;

a filter assembly coupled to the sump and configured to filter particles from washing fluid passing therethrough, wherein the filter assembly comprises a plurality of ~~concentric filters~~ concentrically nested filters varying in size in a radial direction, the plurality of concentrically nested filters being disposed within a filter holding portion of the sump; and

at least one stationary cleaning nozzle coupled to at least one of the sump or the pump and configured to direct pressurized washing fluid onto the filter assembly so as to cause particles to be released from the filter assembly, wherein the at least one cleaning nozzle comprises a substantially tubular nozzle body with a plurality of injection holes formed therein, and wherein the at least one cleaning nozzle is disposed adjacent an outer circumferential surface of an outermost filter of the plurality of ~~concentric~~ concentrically nested filters such that the nozzle body and the plurality of injection holes formed therein are disposed substantially parallel to a central axis of the plurality of ~~concentrically aligned~~ nested filters.

13. (Cancelled)

14. (Currently Amended) The filter assembly as claimed in claim 12, wherein the plurality of ~~concentrically arranged~~ nested filters comprises a first filter disposed within a second filter disposed within a third filter.

15. (Previously Presented) The filter assembly as claimed in claim 14, wherein the first, second and third filters comprise a first, second and third plurality of holes, respectively, and wherein each of the third plurality of holes is smaller than each of the second plurality of holes, and each of the second plurality of holes is smaller than each of the first plurality of holes.

16-17. (Cancelled)

18. (Previously Presented) The filter assembly as claimed in claim 12, wherein a size and a number of the plurality of injection holes formed in the nozzle body is selected based on a predetermined pressure of washing fluid supplied thereto.
19. (Previously Presented) A dishwasher comprising the filter assembly of claim 12.
20. (New) The filter assembly as claimed in claim 1, wherein the plurality of concentrically nested filters comprises a plurality of substantially cylindrical filters, wherein the outermost filter is positioned at an outermost radial position of the plurality of filters.
21. (New) The filter assembly as claimed in claim 20, wherein the at least one stationary cleaning nozzle is positioned substantially parallel to an outer wall of the outermost filter such that the at least one stationary cleaning nozzle sprays pressurized water in a direction substantially orthogonal to the outer wall of the outermost filter.
22. (New) The filter assembly as claimed in claim 1, wherein an upper rim of each filter of the plurality of concentrically nested filters is supported on an upper rim of an adjacent filter, and an upper rim of the outermost filter is supported by a corresponding portion of the sump.
23. (New) The filter assembly as claimed in claim 12, wherein the plurality of concentrically nested filters are substantially cylindrical, and wherein the outermost filter occupies a radially outermost position of the plurality of filters.

24. (New) The filter assembly as claimed in claim 12, wherein an upper rim of each filter of the plurality of concentrically nested filters is supported on an upper rim of an adjacent filter, and an upper rim of the outermost filter is supported by a corresponding portion of the sump.